UNITED STATES PATENT AND TRADEMARK OFFICE

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10/653,667	09/02/2003	Sung-Dae Lee	678-1022	4624

66547 7590 08/10/2007	EXAMINER	
THE FARRELL LAW FIRM, P.C.	VU, KIEU D	
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SUITE 701	ART UNIT	PAPER NUMBER
UNIONDALE, NY 11553	2173	

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>02 September 2003</u>.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-29* is/are pending in the application.

    4a) Of the above claim(s) *18-28* is/are withdrawn from consideration.

5)☒ Claim(s) *16 and 17* is/are allowed.

6)☒ Claim(s) *1-6,9-12 and 29* is/are rejected.

7)☒ Claim(s) *7-8, 13-15* is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☒ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☒ All b)☐ Some * c)☐ None of:

      1.☒ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.

5) ☐ Notice of Informal Patent Application

6) ☐ Other: _____.

DETAILED ACTION

1.   This Office Action is responsive to the Amendment filed on 05/07/07.

2.   Applicant's election with traverse of group I (claims 1-17 and 29) in the reply filed

on 05/07/07 is acknowledged. The traversal is on the ground(s) that "the present

invention relates to a method for supporting multiple languages for a mobile

communication terminal, a communication system employing the method, and a

recording medium for formatting of information used in the method and the

communication system". This is not found persuasive because group II (claims 18-28) is

directed to a different and distinct invention to format the layout presentation of

document.

        The requirement is still deemed proper and is therefore made FINAL.

3.   Claims 1-17 and 29 are elected for examination. Claims 18-28 are not elected.

Oath/Declaration

4.   Oath/Declaration is missing. Applicant must submit an Oath/Declaration in

response to this Office Action (See MPEP 601[R-3]) (37 CFR 1.51)

Claim Rejections - 35 USC § 102

5.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

    A person shall be entitled to a patent unless –

    (e) the invention was described in (1) an application for patent, published under section 122(b), by
    another filed in the United States before the invention by the applicant for patent or (2) a patent
    granted on an application for patent by another filed in the United States before the invention by the
    applicant for patent, except that an international application filed under the treaty defined in section
    351(a) shall have the effects for purposes of this subsection of an application filed in the United States
    only if the international application designated the United States and was published under Article 21(2)
    of such treaty in the English language.

6.   Claims 1 and 29 are rejected under 35 U.S.C. 102(e) as being anticipated by

Bitzer (US 2006/0167677).

Regarding claims 1 and 29, Bitzer teaches a communication system for

supporting multiple languages for a mobile communication terminal, the system

comprising: a mobile communication network (Fig. 5 shows a network in which data

language package can be downloaded to the mobile communication terminal) ([0032]) ;

a multiple language contents provider server (MLCPS) connected to the mobile

communication network and including multiple language contents ([0053]); and a

mobile communication terminal wirelessly connected to the mobile communication

network; wherein the mobile communication terminal connects to the MLCPS

through the mobile communication network, transmits language package request

data to the MLCPS according to a request of a user (user's requesting the download of

a language package, receives language package information provided from the

MLCPS (reception of the language package) ([0054]), and storing the received

language package information ([0050]), and displays menus and messages on a

display window of the mobile communication terminal in a language selected by the

user using the received language package information (Fig. 3); and wherein the

MLCPS forms a corresponding language package in response to reception of the

language package request data and transmits the language package to the mobile

communication terminal through the mobile communication network (Fig. 5).

Claim Rejections - 35 USC § 103

7.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

8.   Claims 2-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Bitzer and Dunko et al (US 2002/0072347).

Regarding claim 2, Bitzer does not teach that the language package request data

comprises a terminal model name, a software version, a string set version, and a font

set version. However, such feature is known in the art as taught by Dunko. Dunko

teaches a mobile device which is capable of sending a request to a server, the request

comprises language, model, software... (Fig. 4) ([0026]). It would have been obvious to

one of ordinary skill in the art, having the teaching of Bitzer and Dunko before him at the

time the invention was made, to include Dunko's teaching in Bitzer's language package

to ensure that the received language package is compatible with the mobile terminal.

Regarding claim 3, Bitzer in view of Dunko teaches wherein the language

package request data further comprises font types and character codes that are

supported by the mobile communication terminal (Bitzer, Fig. 3-4) (Dunko, [0026]).

9.   Claims 4-6 and 9-12 are rejected under 35 U.S.C. 103(a) as being unpatentable

over Bitzer and Hill et al ("Hill", US 6023714)

Regarding claim 4, Bitzer teaches a method of supporting multiple languages for

a mobile communication terminal in a communication system including a mobile

communication network, a multiple language contents provider server (MLCPS) connected to the mobile communication network and including multiple language contents (Fig. 5 shows a network in which data language package can be downloaded to the mobile communication terminal) ([0032]), and the mobile communication terminal wirelessly connected to the mobile communication network ([0053]), the method comprising the steps of: transmitting language package request data to the MLCPS through the mobile communication network according to a language request of a user of the mobile communication terminal (user's requesting the download of a language package, receives language package information provided from the MLCPS (reception of the language package) ([0054]); when language package information provided from the MLCPS is downloaded, display menus and messages on a terminal display in the language selected by the user (Fig. 3, Fig. 5). Bitzer does not teach including at least one string set version and one font set version; dividing the downloaded language package information into a string set and a font set; managing the string set and the font set. However, such feature is known in the art as taught by Hill. Hill teaches formatting data in accordance with constraints of the display device (col. 2, lines 15-24). Hill further teaches including string set (text), font set and managing the string set and font set (col. 2, lines 40-55) (line 46 of col. 6 to line 4 of col. 7). It would have been obvious to one of ordinary skill in the art, having the teaching of Bitzer and Hill before him at the time the invention was made, to include Hill's teaching in Bitzer's language package to ensure that the received language package is compatible with the mobile terminal.

Regarding claim 5, Bitzer as modified by Hill teaches the language package comprises a header including string header information and font header information, a string including string offset information and real strings, and a font including font general information, glyph offset information, and glyphs (Hill, col. 9, lines 23-54)

Regarding claim 6, Bitzer as modified by Hill teaches wherein the header comprises a string header including the string header information and a font header including the font header information (Hill, col. 9, lines 23-54).

Regarding claim 9, Bitzer as modified by Hill teaches wherein the string comprises a string offset field in which the string offset information is recorded, and a string field in which the real strings are recorded (Hill, col. 6, lines 24-67, col 7, lines 1-4).

Regarding claim 10, Bitzer as modified by Hill teaches wherein the string offset field comprises a plurality of string offset fields, wherein positions where real strings exist are recorded on the respective string offset fields (Hill, col. 6, lines 24-67, col 7, lines 1-4).

Regarding claim 11, Bitzer as modified by Hill teaches wherein the string field comprises a plurality of string fields, wherein real strings used for the mobile communication terminal are recorded on the respective string fields (Hill, col. 6, lines 24-67, col 7, lines 1-4).

Regarding claim 12, Bitzer as modified by Hill teaches wherein the font comprises a font general information field including the font general information, a glyph

offset field including the glyph offset information, and a glyph field including the glyphs

(col. 9, lines 24-54).

Allowable Subject Matter

10.   Claims 7-8, 13-15 are objected to as being dependent upon a rejected base

claim, but would be allowable if rewritten in independent form including all of the

limitations of the base claim and any intervening claims.

11.   Claims 16-17 are allowed.

        The prior art made of record on form PTO-892 and not relied upon is considered

pertinent to applicant's disclosure. Applicant is required under 37 C.F.R. 1.111(c) to

consider these references fully when responding to this action. The documents cited

therein teach downloading language package which relates to the claimed invention.

12.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Kieu D. Vu. The examiner can normally be reached on

Mon - Thu from 7:00AM to 3:00PM at 571-272-4057.

        If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, John Cabeca, can be reached at 571-272-4048.
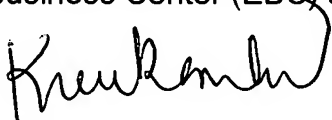
        The fax phone numbers for the organization where this application or proceeding

is assigned are as follows:

        571-273-8300

        and / or:

        571-273-4057 (use this FAX #, only after approval by Examiner, for "INFORMAL"

or "DRAFT" communication. Examiners may request that a formal paper / amendment

be faxed directly to them on occasions).

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Kieu D. Vu

Primary Examiner